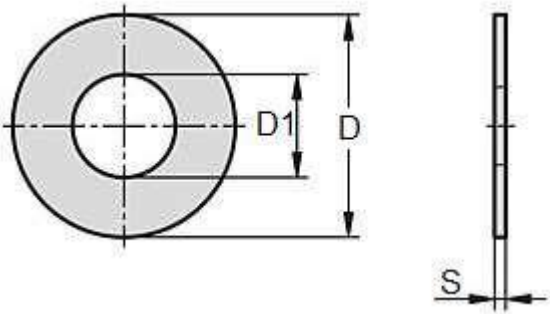




Product Dimensions, Standards and Weights

DIN 988 Technical Specifications

Metric DIN 988 Shim Washers



Dimensions of Metric DIN 986 Nylon Insert Hexagon Domed Cap Lock Nuts

D1	D	S	D1	D	S	D1	D	S	D1	D	S	D1	D	S
3	6	0.1	6	12	0.1	9	15	0.2	12	18	0.25	15	21	0.2
3	6	0.15	6	12	0.2	9	15	0.3	12	18	0.3	15	21	0.25
3	6	0.2	6	12	0.25	9	15	0.5	12	18	0.5	15	21	0.3
3	6	0.25	6	12	0.3	9	15	1	12	18	1	15	21	0.5
3	6	0.3	6	12	0.5	10	16	0.1	13	19	0.1	15	21	1
3	6	0.5	6	12	1	10	16	0.15	13	19	0.15	15	21	1.2
3	6	1	7	13	0.1	10	16	0.2	13	19	0.2	16	22	0.15
4	8	0.1	7	13	0.2	10	16	0.25	13	19	0.25	16	22	0.2
4	8	0.15	7	13	0.3	10	16	0.3	13	19	0.3	16	22	0.25
4	8	0.2	7	13	0.5	10	16	0.5	13	19	0.5	16	22	0.3
4	8	0.3	7	13	1	10	16	1	13	19	1	16	22	0.5
4	8	0.5	8	14	0.1	11	17	0.1	14	20	0.1	16	22	1
4	8	1	8	14	0.15	11	17	0.2	14	20	0.15	16	22	1.2
5	10	0.1	8	14	0.2	11	17	0.25	14	20	0.2	17	24	0.1
5	10	0.15	8	14	0.25	11	17	0.3	14	20	0.25	17	24	0.15
5	10	0.2	8	14	0.3	11	17	0.5	14	20	0.3	17	24	0.2
5	10	0.25	8	14	0.5	11	17	1	14	20	0.5	17	24	0.25
5	10	0.3	8	14	1	12	18	0.1	14	20	1	17	24	0.3
5	10	0.5	9	15	0.1	12	18	0.15	15	21	0.1	17	24	0.5
5	10	1	9	15	0.15	12	18	0.2	15	21	0.15	17	24	1



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D1	D	S	D1	D	S	D1	D	S	D1	D	S	D1	D	S
17	24	1.2	25	35	0.1	30	42	1.5	37	47	0.25	45	55	1.5
18	25	0.1	25	35	0.15	30	42	2	37	47	0.3	45	55	2
18	25	0.15	25	35	0.2	32	45	0.1	37	47	0.5	48	60	0.1
18	25	0.2	25	35	0.25	32	45	0.15	37	47	1	48	60	0.15
18	25	0.25	25	35	0.3	32	45	0.2	37	47	1.2	48	60	0.2
18	25	0.3	25	35	0.5	32	45	0.25	37	47	1.5	48	60	0.25
18	25	0.5	25	35	1	32	45	0.3	37	47	2	48	60	0.3
18	25	1	25	35	1.2	32	45	0.5	40	50	0.1	48	60	0.5
18	25	1.2	25	35	1.5	32	45	1	40	50	0.15	48	60	1
19	26	0.1	26	37	0.1	32	45	1.2	40	50	0.2	48	60	1.2
19	26	0.15	26	37	0.15	32	45	1.5	40	50	0.25	48	60	1.5
19	26	0.2	26	37	0.2	32	45	2	40	50	0.3	48	60	2
19	26	0.25	26	37	0.25	35	45	0.1	40	50	0.5	50	62	0,1
19	26	0.3	26	37	0.3	35	45	0.15	40	50	1	50	62	0,15
19	26	0.5	26	37	0.5	35	45	0.2	40	50	1.2	50	62	0,2
19	26	1	26	37	1	35	45	0.25	40	50	1.5	50	62	0,25
19	26	1.2	26	37	1.2	35	45	0.3	40	50	2	50	62	0,3
20	28	0.1	26	37	1.5	35	45	0.5	42	52	0.1	50	62	0,5
20	28	0.15	28	40	0.1	35	45	1	42	52	0.15	50	62	1
20	28	0.2	28	40	0.15	35	45	1.2	42	52	0.2	50	62	1,2
20	28	0.25	28	40	0.2	35	45	1.5	42	52	0.25	50	62	1,5
20	28	0.3	28	40	0.25	35	45	2	42	52	0.3	50	62	2
20	28	0.5	28	40	0.3	36	45	0.1	42	52	0.5			
20	28	1	28	40	0.5	36	45	0.15	42	52	1			
20	28	1.2	28	40	1	36	45	0.2	42	52	1.2			
20	28	1.5	28	40	1.2	36	45	0.25	42	52	1.5			
22	30	0.1	28	40	1.5	36	45	0.3	42	52	2			
22	30	0.15	30	42	0.1	36	45	0.5	45	55	0.1			
22	30	0.2	30	42	0.15	36	45	1	45	55	0.15			
22	30	0.25	30	42	0.2	36	45	1.2	45	55	0.2			
22	30	0.3	30	42	0.25	36	45	1.5	45	55	0.25			
22	30	0.5	30	42	0.3	36	45	2	45	55	0.3			
22	30	1	30	42	0.5	37	47	0.1	45	55	0.5			
22	30	1.2	30	42	1	37	47	0.15	45	55	1			
22	30	1.5	30	42	1.2	37	47	0.2	45	55	1.2			



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Metric DIN 988 Shim Washers are round washers available in a multitude of diameters and thicknesses to fit over precision shafts to protect the inner face of a bearing. They are available with a thicknesses from 0.1 mm and any thicknesses can be made by combining several shim washers. Shim washers are manufactured with extremely tight thickness tolerances so they can be used to make up an exact dimension.

Unique Fasteners offers one of the most complete ranges of metric shim washers and other inch and metric industrial fasteners for immediate delivery from stock. The following sizes of metric DIN 988 Shim Washers are available for immediate shipping from stock: Diameters ranging from M4 to M50 in A2 stainless steel.

DIN (**D**eutsches Institut für **N**ormung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as Metric DIN 988 Shim Washers. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization.